

A NEW SPECIES OF FUNIFERA (THYMELAEACEAE)

Lorin I. Nevling, Jr.

Field Museum of Natural History, Chicago, Illinois

At the time of my preliminary report on the genus *Funifera* (Jour. Arnold Arb. 46: 232-241. 1965) three species were recognized: *F. brasiliensis* (Raddi) Mansfeld; *F. ericiflora* (Gilg & Markgraf) Domke; *F. grandifolia* Domke. A fourth species was included in the key to species, was described as fully as possible, but was not named. It was assumed that additional material of the latter species would accumulate shortly and that it would be described fully at that time. A decade has passed and no new collections have been seen although an examination of a suite of specimens collected by Pereira (681) at the Jardim Botânico do Rio de Janeiro revealed the presence of both staminate and pistillate plants. Further delay in formally describing this new species does not seem warranted.

KEY TO THE SPECIES

Mature leaves 4 to 7 times longer than broad, narrowly elliptic to oblanceolate, 4-14 cm. long, 1-3 cm. broad, densely sericeous beneath.

Leaves alternate or opposite, the apex long acuminate; staminate inflorescences 10-35-flowered, the primary peduncle 10-35 mm. long, slender; disc of the staminate flowers coronate, the lobes connate below; pistillate flowers with 4 staminodia. *F. insulae*.

Leaves irregularly pseudo-whorled, opposite, subopposite or rarely alternate, the apex acute and often minutely apiculate; staminate inflorescences 5-6-flowered, the primary peduncle ca. 3 mm. long, stout; disc of the staminate flowers with 8 free lobes; pistillate flowers with 8 staminodia. *F. brasiliensis*.

Mature leaves about 3 times longer than broad, elliptic to oblanceolate or obovate, sparsely sericeous beneath.

Leaves elliptic, 8-12 cm. long, 2.5-4 cm. broad, glabrous above, the apex subacute (nearly blunt); disc of the staminate flowers with 8 free lobes; pistillate flowers lacking staminodia. *F. ericiflora*.

Leaves oblanceolate to obovate, 9-21 cm. long, 3-7 cm. broad, glabrescent above, the apex acute or abruptly acuminate; disc of the staminate flowers coronate, the lobes connate below; pistillate flowers with 8 staminodia. *F. grandifolia*.

FUNIFERA INSULAE Nevl. sp. nov.

Frutices; ramis juvenilibus subsericeis atque glabrescentibus. Folia alternata vel opposita anguste elliptica 5-12 cm. longa 1.5-3 cm. lata apice acuminata et apiculata basi cuneata supra glabra subtus sericeo-hirta. Inflorescentia mascula racemiformis. Flores masculi 10-35 in unaquaque inflorescentia; calyce cylindrico 6-7.5 mm. longo; calycis lobis inaequalibus intus pubescentibus; petalis 0; staminibus in planis 2; disco coroniformi 1.75-2 mm. longo glabro lobato; pistillodio fusiformi. Inflorescentia feminea umbelliformis. Flores feminei 3-6 in unaquaque inflorescentia; calyce cylindrico 6-8 mm. longo; calycis lobis inaequalibus intus pubescentibus; petalis 0; staminodiis 4 filiformibus; disco coroniformi 1-1.5 mm. longo glabro lobato; pistillo 1 ca. 5 mm. longo. Fructus non vidi. Holotypus: *Pereira 681* (F, no. 1746561).

Small shrub, the stems slender, sparsely sericeous and tardily glabrescent, reddish brown. Leaves alternate or opposite, the blades narrowly elliptic, 5-12 cm. long, 1.5-3 cm. broad, long acuminate and apiculate at the apex, cuneate at the base, membranaceous, glabrous (except sparsely sericeous along the margin) above, sericeous beneath, dark green above (light brown on drying), light green beneath (ochraceous on drying), the costa immersed above, elevated beneath, the primary lateral veins inconspicuous, the margin slightly thickened; petiole 2-5 mm. long, shallowly canaliculate, sericeous. Inflorescences borne from the older stems, axillary or extra-axillary. Staminate inflorescence: 10-35 flowers per inflorescence, racemiform, sericeous throughout, the primary peduncle 1-3.5 cm. long, the rachis 0.5-2 cm. long, the secondary peduncles 2-7 mm. long, dilated at the apex; linear bracteole inserted near the summit of the primary peduncle, deciduous. Staminate flowers: pedicel 1-1.5 mm. long; calyx tube cylindrical, 6-7.5 mm. long, ca. 1 mm. in diameter at the orifice, white, sericeous without, long villous within in lower one-fourth, glabrous upper three-fourths; calyx lobes in unequal pairs, linear-deltoid or deltoid, the larger 1 X 0.5 mm., the smaller 0.75 X 0.25-0.5 mm., puberulent within; petals 0; filaments 0.25-0.5 mm. long, the antisepalous whorl inserted about the length of 1 anther below the orifice, subexserted or included, the alternisepalous whorl inserted the length of 3-4 anthers below the orifice, included, the anthers linear, 0.75 mm. long, 0.25 mm. broad; disc coronate, 1.75-2 mm. tall, glabrous, with large linear lobes; pistillode fusiform, 2-3 mm. long, densely villous. Pistillate inflorescence: 3-6 flowers per inflorescence, umbelliform, sericeous throughout, the primary peduncle 10-18 mm. long, the rachis 0-2 mm. long, the secondary peduncles 2-6 mm. long, with several small, linear bracteoles at the summit of the primary peduncle, deciduous. Pistillate flowers: pedicel ca. 0.5 mm. long; calyx tube fusiform, 6-8 mm.

long, ca. 1 mm. in diameter at the orifice, white, sericeous without, long villous within in lower one-fourth, glabrous upper three-fourths; calyx lobes in unequal pairs, deltoid, the larger 1 X 0.5 mm., the smaller 0.5 X 0.5 mm., puberulent within; petals 0; staminodia 4, antisepalous, filiform, to 0.75 mm. long; disc coronate, 1-1.5 mm. tall, glabrous, irregularly lobed; pistil 1, the ovary ca. 2 mm. long, densely villous, the style filiform, ca. 3 mm. long, glabrous, the stigma capitate, at the calyx tube orifice. Immature fruit with accrescent calyx to 8 mm. long, ca. 4 mm. in diameter.

BRASIL. Rio de Janeiro: Ilha de Paquetá, Morro da Imbuca, *Pereira 681* 21-4-1952 (Isotypes: F, pistillate; RB, staminate and pistillate). Without precise locality: São Domingos, *Avé-Lellemant "1887"* (R).